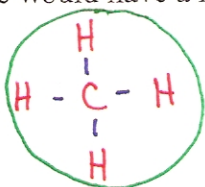
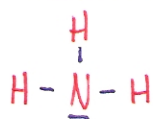


4

12. Which substance would have a faster evaporation rate, NH_3 or CH_4 ? Explain why.



weaker intermolecular Forces

4

13. List the type of intermolecular force you would expect for each of the following molecules.

a. NH_3

hydrogen bonding

b. CH_4

dispersion

c. HCl

dipole-dipole

d. C_2H_6

dispersion

4

14. Rank the above molecules in order of increasing boiling point.

CH_4

C_2H_6

HCl

NH_3